

MAR 15 2007

**Amendments to the claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application.

Please add new claims 42-46.

Please cancel claims 7, 12, 20, 34 and 37-39 without prejudice.

Please amend claims 1, 9, 17, 22, 29 and 35 as indicated below (material to be inserted is in **bold and underline**, material to be deleted is in ~~strikeout~~ or (if the deletion is of five or fewer consecutive characters or would be difficult to see) in double brackets [[ ]]):

Listing of Claims:

1. (Currently Amended) A light-filtering element for a display device, comprising:

at least one filter having a chamber with a filtering fluid, the chamber defining an optical path entering a first side of the chamber and exiting a second side of the chamber opposite the first side; and

a liquid motion actuator selectively configured to move the filtering fluid substantially into and out of the optical path **by altering the chamber to effect displacement of the filtering fluid within the chamber.**

2. (Previously Presented) The light-filtering element of claim 1, wherein the liquid motion actuator is configured to selectively alter dimensions of the chamber to displace the filtering fluid from the optical path.

Page 2 - AMENDMENT  
Serial No. 10/728,642  
HP Docket No. 10019036-7  
KH Docket No. HPCC 344CON

3. (Cancelled)
4. (Cancelled)
5. (Previously Presented) The light-filtering element of claim 2, wherein the dimensions of the chamber affect intensity of light passing through the chamber.
6. (Cancelled)
7. (Cancelled)
8. (Previously Presented) The light-filtering element of claim 1, wherein the filtering fluid is a colored liquid.
9. (Currently Amended) A color-generating device, comprising:  
a plurality of color elements disposed in an optical path entering a first side of the color elements and exiting a second side of the color elements opposite the first side, wherein each color element includes at least one filter having a chamber with a filtering liquid, the filtering liquid being selectively disposed in the optical path; and  
a liquid motion actuator configured to selectively move the filtering liquid into and out of the optical path to selectively reflect light in the optical path.
10. (Previously Presented) The color-generating device of claim 9, wherein the liquid motion actuator is configured to selectively alter the chamber to move the filtering liquid into and out of the optical path.
11. (Cancelled)
12. (Cancelled)
13. (Cancelled)

Page 3 - AMENDMENT  
Serial No. 10/728,642  
HP Docket No. 10019036-7  
KH Docket No. HPCC 344CON

14. (Previously Presented) The color-generating device of claim 9, wherein the liquid motion actuator is configured to alter the chamber to selectively move the filtering liquid into and out of the optical path.

15. (Cancelled)

16. (Previously Presented) The color-generating device of claim 14, wherein the chamber includes a surface treatment adapted to promote a flow of filtering liquid out of the optical path under direction of the liquid motion actuator.

17. (Currently Amended) A display system, comprising:

an illumination source configured to produce light and direct light along an optical path;

a color generator disposed in the optical path, the color generator including one or more color elements, where one or more color elements has at least one filter with a color-filtering fluid and an associated liquid motion actuator, the liquid motion actuator configured to selectively move a substantial volume of the color-filtering liquid by selectively altering the chamber to effect reflection of light to selectively configure the filter in at least one of a filtering state and a non-filtering state, wherein light directed along the optical path enters a first side of the filter and exits a second side of the filter opposite the first side; and

a display surface configured to receive light from the color generator to produce a color image.

Page 4 - AMENDMENT  
Serial No. 10/728,642  
HP Docket No. 10019036-7  
KH Docket No. HPCC 344CON

18. (Previously Presented) The display system of claim 17, wherein the at least one filter has a transparent region disposed in the optical pathway, and where the color-filtering liquid is selectively positionable substantially within the transparent region when the filter is in a filtering state.

19. (Previously Presented) The display system of claim 17, wherein the at least one filter has a transparent region disposed in the optical pathway and where the color-filtering liquid is selectively positionable substantially outside the transparent region when the filter is in the non-filtering state.

20. (Cancelled)

21. (Cancelled)

22. (Currently Amended) The display system of claim 17 20, wherein each color element includes a red filter with red-filtering liquid, a green filter with green-filtering liquid, and a blue filter with a blue-filtering liquid, each filter being separately configurable in a filtering state and a non-filtering state to produce different colored light.

23. (Previously Presented) A color element for a display system having a light source, the color element comprising:

a plurality of chambers, each chamber containing a filtering fluid; and

an electrically-actuated element coupled with each chamber, the electrically-actuated element being configured to selectively alter each chamber to move the filtering fluid between a region of the chamber outside a light path and a region of the chamber within the light path;

Page 5 - AMENDMENT  
Serial No. 10/728,642  
HP Docket No. 10019036-7  
KH Docket No. HPCC 344CON

wherein the light path enters a first side of the chamber and exits a second side of the chamber opposite the first side.

24. (Cancelled)

25. (Cancelled)

26. (Previously Presented) The color element of claim 23, wherein the chamber includes a surface treatment adapted to promote a flow of fluid out of the light path under direction of the electrically-actuated element.

27. (Original) The color element of claim 23, wherein the region of the chamber within the light path is hydrophobic.

28. (Original) The color element of claim 23, wherein the region of the chamber outside the light path is hydrophilic.

29. (Currently Amended) A method of filtering light, the method comprising:  
directing light along an optical path entering a first side of a filter and exiting a second side of the filter opposite the first side, the filter having filtering liquid moveable into and out of the optical path;

selectively moving the filtering fluid within the filter by altering dimensions of the filter; and

directing light through the filter.

30. (Previously Presented) The method of claim 29, wherein selectively moving the filtering liquid within the filter includes selectively moving the filtering liquid substantially into the optical path, and directing light through the filter includes passing light through the filtering liquid to produce filtered light.

31. (Cancelled)

32. (Cancelled)

33. (Cancelled)

34. (Cancelled)

35. (Currently Amended) The method of claim 29 34, wherein selectively altering dimensions of the filter includes actuating at least one electrically-actuated element to deform the filter, and thereby, to force the filtering liquid into the optical path.

36. (Previously Presented) The method of claim 35, wherein directing the light through the filter includes passing the light through the filtering liquid to produce a color.

37. (Cancelled)

38. (Cancelled)

39. (Cancelled)

40. (Cancelled)

41. (Cancelled)

Page 7 -

AMENDMENT  
Serial No. 10/728,642  
HP Docket No. 10019036-7  
KH Docket No. HPCC 344CON

42. (New) A light-filtering element for a display device, comprising:

at least one filter having a chamber with a filtering fluid, the chamber defining an optical path entering a first side of the chamber and exiting a second side of the chamber opposite the first side; and

a liquid motion actuator selectively configured to move the filtering fluid substantially into and out of the optical path and by selectively altering the dimensions of the chamber.

43. (New) The light-filtering element of claim 42, wherein the dimensions of the chamber affect intensity of light passing through the chamber.

44. (New) A color-generating device, comprising:

a plurality of color elements disposed in an optical path entering a first side of the color elements and exiting a second side of the color elements opposite the first side, wherein each color element includes at least one filter having a chamber with a filtering liquid, the filtering liquid being selectively disposed in the optical path; and

a liquid motion actuator configured to selectively move the filtering liquid into and out of the optical path by selectively altering the chamber.

45. (New) A color-generating device, comprising:

a plurality of color elements disposed in an optical path entering a first side of the color elements and exiting a second side of the color elements opposite the first side, wherein each color element includes at least one filter having a chamber with a filtering liquid, the filtering liquid being selectively disposed in the optical path; and

a liquid motion actuator configured to selectively move the filtering liquid into and out of the optical path by altering the chamber.

46. (New) The color-generating device of claim 45, wherein the chamber includes a surface treatment adapted to promote a flow of filtering liquid out of the optical path under direction of the liquid motion actuator.

Page 9 - AMENDMENT  
Serial No. 10/728,642  
HP Docket No. 10019036-7  
KH Docket No. HPCC 344CON